

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P&A operations suspended

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

OW

GW

Location Inspected

Surface and

State of Fee Land

LOGS FILED

Driller's Log

Electric Logs (No.)

E

I

E-I

GR

GR-N

Micro

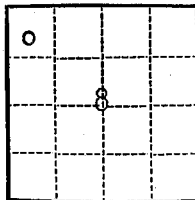
Lat

M-L

Sonic

Others

Subsequent Report of Driller



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____
Lease No. 071104B
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 5, 1959, 19

Hickman-Bluff
Well No. 4 is located 550 ft. from {N} line and 700 ft. from {E} line of sec. 8
NWNW Section 8 40S 23E SIM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4706' ungraded

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Rotary drilling equipment will be used to drill to approximately 5850' to test the Paradox Formation. Casing: Approximately 200' of 8-5/8" OD smls casing cemented to the surface, oil string - required amount of 4 1/2" OD smls casing cemented with required amount of cement. Drill stem tests: all oil and gas shows will be tested. Mud program: Conventional and/or gyp or salt base mud as required. Electric logs etc will be run before setting casing or abandonment. Stimulation treatments such as acidizing or hydraulic fracturing may be employed in completion.

Well off center due to terrain features.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil Company
Production Department
Address Box 3082
Durango, Colorado
By B M Bradley
Title District Superintendent

LEASE PLAT & PIPE LINE DATA

DIV. NO. _____ BLOCK NAME _____ LEASE NO. _____

LESSOR _____

TOTAL ACCUMULATED INTEREST _____

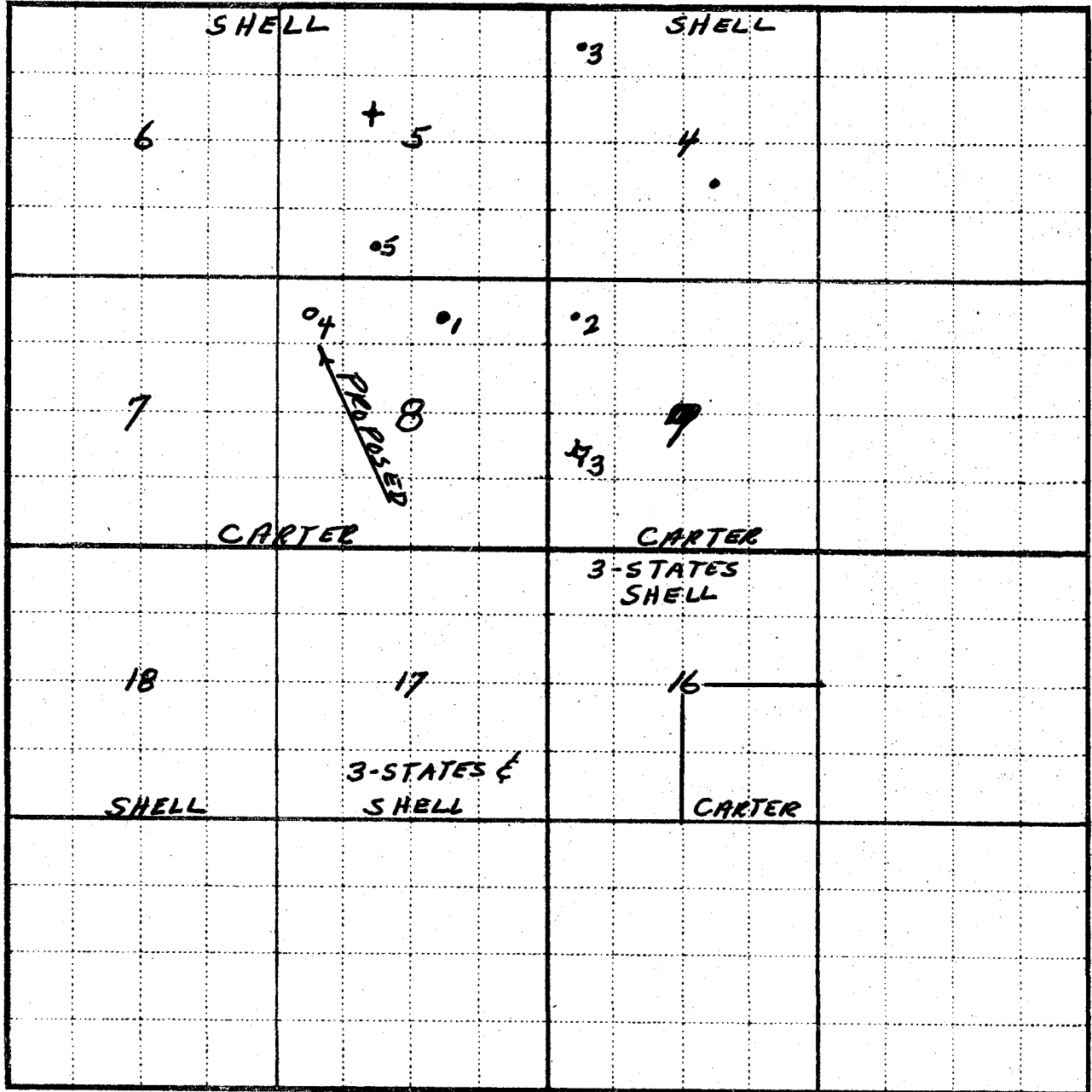
STATE UTAH COUNTY SAN JUAN SEC 8 T 40S R 23E ACRES _____

DESCRIPTION AND INTEREST: _____

THE CARTER OILPROPOSED LOC - HICKMAN BLUFF #4

IF USED FOR PIPE LINE DIAGRAM — PLEASE SUPPLY THE FOLLOWING INFORMATION

Total Length and Size of Pipe Laid _____ Pipe Transferred From _____
 Total Length and Size of Pipe Taken Up _____ Pipe Transferred to _____
 Depth Buried _____ Painted _____ Screw, Welded or Coupled _____ List Fittings (on back of this sheet if necessary)
 Date _____ District _____ Farm or Plant _____
 Signed _____
 (Mail to Engineering Department - Tulsa)



When used as 1/4" Section Scale, 1" = 400'

When used as Section Scale, 1" = 800'

When used as 4 Sections Scale, 1" = 1600'

Place check mark after scale used.

Plat made by _____ Date _____

1/2" Base Map _____ Date _____

Plat Book (Pend.) _____ Date _____ (Comp.) _____ Date _____

Block Map (Pend.) _____ Date _____ (Comp.) _____ Date _____

Block Map Tr. (Pend.) _____ Date _____ (Comp.) _____ Date _____

COMPANY THE CARTER OIL COMPANY

Well Name & No. HICKMAN BLUFF, WELL # 4

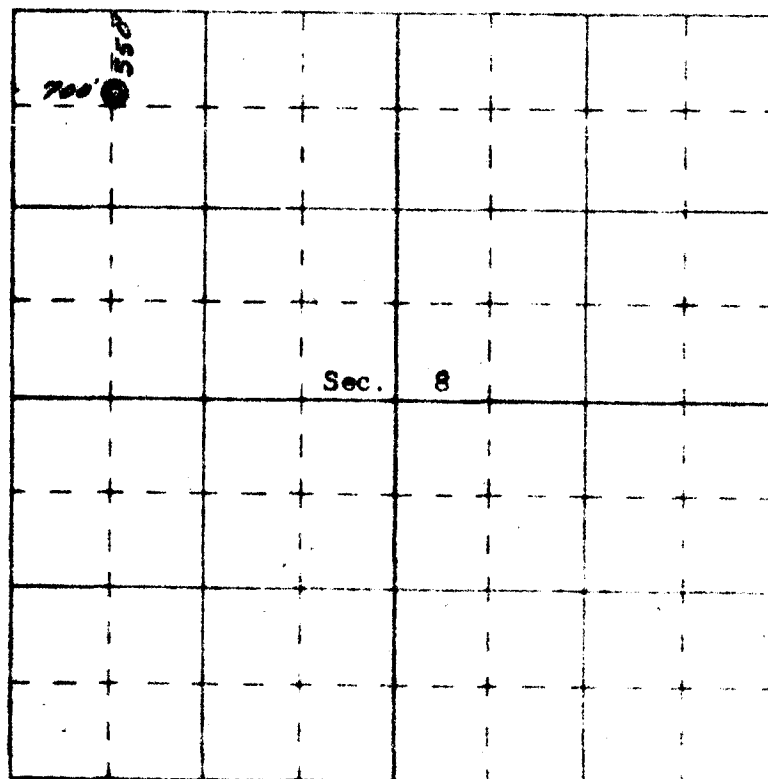
Lease No.

Location 550' FROM THE NORTH LINE & 700' FROM THE WEST LINE

Being in NE NW NW

Sec. 8 T 40 S R 23 E, S.L.W., SAN JUAN COUNTY, UTAH

Ground Elevation 4706' Ungraded ground



Scale — 4 inches equals 1 mile

Surveyed 4 August

19 59

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

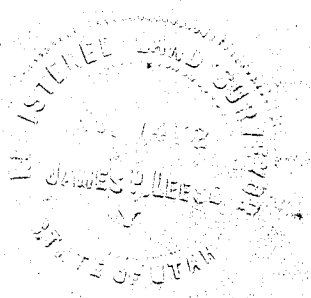
James P. Leese

Registered Land Surveyor.

James P. Leese

Utah Reg. No. 1472

SAN JUAN ENGINEERING CO. FARMINGTON, NEW MEXICO



August 7, 1959

The Carter Oil Company
P. O. Box 3082
Durango, Colorado

Attention: B. M. Bradley,
District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Hickman-Bluff 4, which is to be located 580 feet from the north line and 700 feet from the west line of Section 8, Township 40 South, Range 23 East, S1EM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

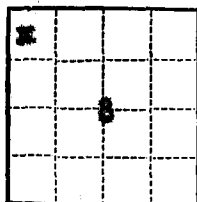
Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CHF:co

cc: P. T. McGrath, Dist. Eng.
U. S. Geological Survey
Farmington, New Mexico



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____
Lease No. **071404B**
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Casing Report	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 17, 1959

Hickman-Bluff
Well No. **4** is located **550** ft. from **[N]** line and **700** ft. from **[W]** line of sec. **8**
NW NW Section 8 **40S** **23E** **81N**
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bluff **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft. **4706'** ungraded ground level

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Set 13-3/8" casing @ 55', cemented with 75 sz. cement.

Set 8-5/8" casing 203', cemented with 175 sz. cement.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The Carter Oil Company**
Address **Box 3082**
Durango, Colorado
By **COPY (ORIGINAL SIGNED) B. M. BRADLEY**
Title **Dist. Supt.**

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah

Sec. 8

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Operating Company The Carter Oil Company Address P. O. Box 3082, Durango, Colorado
Lease or Tract: Hickman Bluff Field Bluff State Utah
Well No. 4 Sec. 8 T. 40S R. 23E Meridian SLM County San Juan
Location 550 ft. N. of N Line and 700 ft. E. of W Line of Section 8 Elevation 4741'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date September 24, 1959 Signed B. M. Bradley Title Dist. Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling 8-13-59, 19____ Finished drilling 9-9-59, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	48	8	J-55	62	-	None			
8-5/8	24	8	J-55	189	Paker	None			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	55	75	Halliburton	-	-
8-5/8	203	175	Halliburton	-	-

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	55	75	Halliburton	-	-
8-5/8	203	175	Halliburton	-	-

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from Surface feet to 5825 feet, and from - feet to - feet
 Cable tools were used from None feet to - feet, and from - feet to - feet

DATES

September 24, _____, 19 59 Put to producing D & A - Sept. 10, _____, 19 59
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2,625	4,625	2,000	Permian - Cutler: Sandstones, Shales & Limestones.
4,625	5,670	1,045	Pennsylvanian- Hermosa: Limestones, Sandstones & Shales.
5,670	5,816	146	Pennsylvanian - Paradox: Predominantly limestone with minor shales.

ELECTRIC LOG TOPS

NOTE: Ran 1 DST: 5,760 to 5,825'. Tool open 2 hours, weak blow throughout test.
 Recovered 385' muddy salt water, slightly gas cut & 20' gas cut mud. Pressures:
 IHP 3205; ISIP in 1 hr. 1897; IF 95; FF 250; FSIP 1510 in 2 hrs.; FHP 3170.

OCT 1 1959

(OVER)

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.

X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____

Lease No. 071404B

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	XX		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 31, 19 59

Hickman Bluff
Well No. 4 is located 550 ft. from N line and 700 ft. from W line of sec. 8
NW NW Section 8 40S 23E S1M
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4741 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 5825'. It is intended to plug and abandon well as follows:
Place cement plugs - 37 sacks 5825-4700'; 30 sacks 4650-4550'; 30 sacks 2775-2675';
30 sacks 1700-1600'; 32 sacks 250-150' & 10 sacks 30' to surface. Intervals between
cement plugs to be filled with heavy mud. To erect a 4" x 4' dry hole marker, fill
pits and clean location.

Verbal approval for the above from Mr. Jerry Long on 9-9-59 to Mr. H. L. Farris.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil CompanyAddress P. O. Box 2082Durango, ColoradoBy **COPY (ORIGINAL SIGNED) B. M. BRADLEY**
B. M. Bradley
Title Dist. Supt.

X			
	8		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____
Lease No. 0714013
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	XX
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 22, 1960

Hickman Bluff
Well No. 4 is located 550 ft. from N line and 700 ft. from NE 1 line of sec. 8
1/4 Sec. and Sec. No. 40S 23E SLM
(Twp.) (Range) (Meridian)
Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4741 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 5825'.

This well has been plugged and abandoned in the following manners:

Cement plugs: 5825-5700 - 37 sacks
4650-4550 - 30 sacks
2775-2675 - 30 sacks
1700-1600 - 30 sacks
250-150 - 32 sacks
30-Surface - 10 sacks.

Intervals between plugs filled with heavy mud. A 4" dry hole marker in top of hole extending 4' above ground level. Pits filled and location cleaned. Ready for inspection.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Humble Oil & Refining Company - Carter Division
Address P. O. Box 3082
Durango, Colorado
By B. M. Bradley
Title Dist. Supt.

COPY (ORIGINAL SIGNED) B. M. BRADLEY